

**NCSX Preliminary Design Cost Estimate Summary Form
(Attachment 1a)**

SUMMARY DESCRIPTION

WBS Number: 1	Title: Stellarator Systems
Originator: Brad Nelson	
<u>Description</u>	
<p>The Stellarator Core Systems include all the systems and related elements that directly provide the confining magnetic fields, the high vacuum enclosure, and the power and particle handling required for plasma formation and operation.</p> <p>Stellarator Core Systems include:</p> <ul style="list-style-type: none">• In-Vessel Components (WBS 11);• Vacuum Vessel Systems (WBS 12);• Conventional Coils (WBS 13);• Modular Coils (WBS 14);• Coil Support Structures (WBS 15);• Coil Services (WBS 16);• Cryostat and Base Support Structure (WBS 17);• Field Period Assembly (WBS 18); and• Stellarator Core Management and Integration (WBS 19).	
<p><u>Description of Existing Equipment/Facilities to be Reused:</u> None</p>	
<p><u>Description of Major Modifications Required to Existing Equipment/Facilities:</u> None</p>	

Date: 9/18/03